| <br>ex of Cl |  |
|--------------|--|
|              |  |

| Application No. | Applicant(s)   |
|-----------------|----------------|
| 10/615,586      | MEARS, TONY W. |
| Examiner        | Art Unit       |
| Andrew Wright   | 3617           |

| 1  | Rejected |
|----|----------|
| 11 | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| l | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|          | im i                | Date            |                |          |          |          |  |  | Cla  | im Date  |            |  |          |  |  |              |          | ::::     | C         | laim   | Date   |  |       |          |          |              |   |   |          |  |          |          |          |
|----------|---------------------|-----------------|----------------|----------|----------|----------|--|--|--|--|------------|--|----------|--|--|--------------|----------|----------|-----------|--------|--|--|-------|----------|----------|--------------|---|---|----------|--|----------|----------|----------|
|          |                     | 3               | U              | T        | Ť        | Ī        |  |  |  |  |            |  |          |  |  | T            | T        | T        | T         | T      |  |  | 76    | nal      |          |              |   |   |          |  |          | T        |          |
| Final    | Original            | 2               | 95             |          |          |          |  |  |  |  |            | Final  | Original |  |  | $\cdot \mid$ |          |          |           |        |  |  | Final | Original |          |              |   |   |          |  |          |          |          |
|          | 1                   | <del>-}</del>   | 8              | -        | -        | -        |  |  |  |  |            |  | 51       |  |  | $\dashv$     | +        | +        | +         | +      | ╢  |  |       | 101      |          |              |   | - | $\dashv$ |  | $\dashv$ | $\dashv$ | $\dashv$ |
| }        | 2                   |                 | 4              | +        | ┪        |          |  |  |  |  |            |  | 52       |  |  | $\dashv$     | _        | _        |           | _      | 1  |  |       | 102      |          |              |   |   |          |  |          | $\Box$   |          |
|          | 3                   |                 |                | -+       | ┪        | -        |  |  |  |  |            |  | 53       |  |  | $\dashv$     | -        | +        | _         | _      | +  |  |       | 103      |          |              |   |   |          |  |          | $\Box$   | $\neg$   |
|          |                     | <del>-  </del>  |                | $\dashv$ | ┰┼       |          |  |  |  |  |            |  | 54       |  |  | -            | -        | _        | _         | _      | <del> </del>                                     |  |       | 104      |          |              |   |   |          |  |          | $\neg$   |          |
|          | 4                   | <del></del>     |                | _        | +        |          |  |  |  |  |            |  | 55       |  | -  | -            | +        | $^+$     | +         | +      | 1  |  |       | 105      |          |              |   |   | $\neg$   |  |          | $\neg$   |          |
|          | 5                   | <del>-</del>    |                |          |          |          |  |  |  |  |            |  | 56       | $\vdash$   |  | -+           | -        | +        | +         |        | +-   |  |       | 106      |          |              |   |   |          |  |          | $\neg$   |          |
|          | 6                   |                 | -              |          | -        |          |  |  |  |  |            |  | 57       |  |  |              | ~        | $\dashv$ | +         |        | +  |  |       | 107      |          |              |   |   |          |  | ~        |          | $\neg$   |
|          |                     | <del>/</del>    | 7              |          | $\dashv$ | $\dashv$ |  |  |  | -  |            |  | 58       | $\vdash$   | -  | -            |          | 十        | +         |        | †  |  |       | 108      |          |              |   |   |          |  |          | $\neg$   |          |
|          | 8                   | -               | 7              |          | $\dashv$ | $\dashv$ |  |  | _  |  |            |  | 59       |  | $\vdash$   |              | 十        | 1        | ╅         | - -    | +  |  |       | 109      |          |              |   |   |          |  |          |          |          |
|          | 9                   | -               | <del>-  </del> |          | ┰┤       |          |  |  |  |  |            |  | 60       |  |  |              | -        | +        | +         | _      | +  | 1  |       | 110      |          |              |   |   |          |  |          | $\neg$   |          |
|          | 10                  | 4               |                |          |          |          |  | -  | <del>                                     </del> |  |            |  | 61       | -  |  | -            | -        | +        | +         |        | +  | 1  |       | 111      | <u> </u> |              |   |   |          |  |          |          |          |
|          | 11                  |                 | ╎              | -        | {        |          |  | $\vdash$   | <del></del>                                      |  |            |  | 62       | -  | H  |              | -+       | +        | +         | $\top$ | 1-   |  |       | 112      |          |              |   |   |          |  |          | $\Box$   |          |
|          | 12                  |                 |                | =        |          |          | -  | H  | -  | -  | {:::: <br> |  | 63       |  | ┝╾┤  |              | $\dashv$ | +        | +         | 1      | $\top$   | 1::::  |       | 113      |          | $\Box$       |   |   |          |  |          | $\Box$   |          |
|          | 1                   | ~               |                | +        |          |          |  | $\vdash$   | -  | <del> </del>                                     | (          |  | 64       | <del>  </del>                                    |  |              | -+       | +        | +         | _      | 1-   | 1  |       | 114      | 1        | $\Box$       |   |   |          |  |          | $\Box$   |          |
|          | 14                  |                 | ⅓              | $\dashv$ |          |          |  |  | -  | -  |            |  | 65       | -  |  |              | $\dashv$ | -        | +         | _      | 1  | 1  | -     | 115      | 1        |              |   |   |          |  |          |          |          |
| -        | 15                  |                 | <del>-</del>   | +        |          |          |  | _  | -  | -  |            |  | 66       |  | 一  |              | _        | -        | +         | +      | $\top$   |  |       | 116      |          |              |   |   |          |  |          |          |          |
|          | 16                  | -               | 쉸              | -+       |          |          |  | <del></del>                                      |  |  |            |  | 67       | <b>-</b> -                                       | $\vdash$   |              | -        | 1        | $\dagger$ | -      | 1  |  |       | 117      |          | Γ_           |   |   |          |  |          |          |          |
|          | 17                  |                 | 허              |          |          |          | $\vdash$   |  |  | <del> </del>                                     |            |  | 68       |  | ╁┈┪  | -            | $\dashv$ | _        | +         | _      | 1  |  | ·     | 118      | 1        | $\Box$       |   |   |          |  |          |          |          |
| <b>-</b> | 18                  | <b>-</b>        |                | $\dashv$ |          | -        |  |  | $\vdash$   |  | <b></b>    | <del> </del>                                     | 69       | -  |  |              | -        | -        | _         | 1      | +  | 1  |       | 119      |          | <del> </del> |   |   |          |  |          |          |          |
|          | 19                  |                 | 싀              | $\dashv$ | $\dashv$ |          |  | -  | -  | ┼  | <b> </b>   | <del>                                     </del> | 70       | <del>                                     </del> |  |              |          | 1        | $\top$    | _      | $\top$   | ]  |       | 120      |          |              |   |   |          |  |          |          |          |
|          | 20                  |                 | 싓              |          |          |          | -  |  | -  | -  | <b> </b>   |  | 71       | -  | Н  |              | 一        | -        | +         |        | +  | 1  | 1     | 121      | Т        |              |   |   |          |  |          |          |          |
|          | 21                  | 5               |                |          | _        |          | -  | -  | -  | ┼─   | ł          | <b></b>  | 72       | ┼  |  |              | 一        | _        | _         |        | 1  |  | -     | 122      |          |              |   |   |          |  |          |          |          |
|          | 44                  |                 | 0.54           |          | -        |          |  | -  | ├─   | ╁╌   |            |  | 73       | <del> </del>                                     | Н  | -            | _        | 一        | _         | _      |  | 1  |       | 123      |          |              |   |   |          |  |          |          |          |
|          | 23                  |                 | S              | -+       | $\dashv$ |          |  | -  | -  |  | 1          | <b> </b>   | 74       | $\vdash$   |  | -            | 1        | _        | +         | _      | 1  | 1:::   |       | 124      |          | 1            |   |   |          |  |          |          |          |
|          | 24                  | <del>ارا</del>  | 7              |          |          |          |  | -  | -  | -  | 1          |  | 75       | <del> </del>                                     |  |              | _        | $\neg$   | _         |        | 1  | <b>1</b>   |       | 125      |          |              |   |   |          |  |          |          |          |
|          | 25                  |                 |                | _        |          |          |  |  | ├─   | -  |            | <u> </u>   | 76       | <del> </del>                                     |  |              |          | 1        | 十         |        | _  | 1  |       | 126      | 1        |              |   |   |          |  |          |          |          |
|          | <del>26</del><br>27 |                 | 10             |          |          |          | -  | <del> </del>                                     | ┼─   | $\vdash$   |            |  | 77       |  |  |              |          | $\neg$   | 1         |        | 1.   | 1::::  |       | 127      |          | Π            |   |   |          |  |          |          |          |
|          | <del></del>         |                 | 긹              |          |          |          | -  |  | <del> </del>                                     | <del>                                     </del> | ╬          | -  | 78       | 1  | $\vdash$   |              | 7        | 一        | 1         | -      | <del>                                     </del> | 1::::  |       | 128      | 1        | П            |   |   |          |  |          |          |          |
|          | 28                  |                 | }              |          |          |          |  |  | <del> </del>                                     | ┼  | <b>{</b>   | <b></b>  | 79       | <del>                                     </del> |  |              |          | _        | _         | 1      | 1  | 1  | 1     | 129      |          |              |   |   |          |  |          |          |          |
|          | 29                  | <b>1</b>        | 싱              |          | $\dashv$ |          | -  |  | ╁─   | 一  | 1          | -  | 80       | <del> </del>                                     |  |              | _        | _        | _         | 1      | <del>- </del>                                    | 1::::  |       | 130      |          | 1            |   |   |          |  |          |          |          |
|          | 30                  | 1               | 0              | -        | -        |          |  | <del> </del>                                     | ├  | $\vdash$   | ł          |  | 81       | <del>                                     </del> |  |              | _        |          | 十         | _      |  | 1  |       | 131      |          |              | Π |   |          |  |          |          |          |
|          | 31                  | -               | Ť              |          |          |          |  | <del> </del>                                     | ╁  | ╂  | 1::::      | <b></b> -  | 82       | -  |  |              | _        | $\neg$   | 十         | _      | 1  | 1  |       | 132      |          | Т            |   |   |          |  |          |          |          |
| }        | 32                  | $\vdash$        | ╁              |          |          |          |  | -  | -  | †  | <b>{</b>   |  | 83       | <del> </del>                                     | 1  |              | -        | _        | _         | 1      | +  | 1  |       | 133      | 1        | 1            |   |   |          |  |          |          |          |
| -        | 34                  | ┝╼┥             | ++             | $\dashv$ |          |          |  | 1-   | -  | $\vdash$   | 1          |  | 84       | +  |  |              | _        | $\dashv$ | 十         | 1      | 1  | 1  |       | 134      | 1        | 1            |   |   |          |  |          |          |          |
|          | 35                  |                 | +              |          |          | -        |  | <del> </del>                                     | -  | T  | 1          |  | 85       | 1  |  |              | $\neg$   | $\dashv$ | 7         | 1      | 1  | ٦  |       | 135      | T        | T            |   |   |          |  |          |          |          |
|          | 36                  |                 | +1             | ┉┼       |          |          | -  | <del> </del>                                     | -  | <del> </del>                                     | 1          | <b>—</b>   | 86       | <del>                                     </del> |  |              | -        | _        |           | _      | $\top$   | 1:::   |       | 136      |          |              |   |   |          |  |          |          |          |
|          | 37                  | ├╌┤             | -++            |          |          |          | -  | <del> </del>                                     | 1-   | 1-   |            |  | 87       | †  | 1  |              | _        | +        | 7         | 1      | _  | ا:::   |       | 137      |          |              |   |   |          |  |          |          |          |
|          | 38                  | $\vdash$        | +              | $\dashv$ |          | -        | -  | $\vdash$   | -  | +-   | 1          | -  | 88       | <del>                                     </del> |  |              | $\dashv$ |          | 寸         | 十      | 1  | ]:::   |       | 138      | T        |              |   |   |          |  |          |          |          |
| -        | 39                  | $\vdash$        | ++             |          |          | -        | -  | -  |  | †  | 1          |  | 89       | 1  | <del>                                     </del> | П            |          | _        | 7         | 1      | 7  | 7  |       | 139      |          |              |   |   |          |  |          |          |          |
|          | 40                  | ╂━┤             | 심              |          |          |          |  | <del> </del>                                     | +  | <del> </del>                                     | 1          |  | 90       | 1  | <u> </u>   |              | _        | 7        | 7         | 7      | 1  | 7  |       | 140      |          |              |   |   |          |  |          |          |          |
| -        | 41                  | $\vdash \vdash$ | ত              |          |          | -        | -  | -  | -  | +  | 1          | <b>—</b> —                                       | 91       | 1  | 1  |              |          | _        | $\top$    | 1      | 1  | ٦::::  |       | 141      | Ι        |              |   |   |          |  |          |          |          |
| -        | 42                  | $\vdash$        | 귉              | $\dashv$ |          |          | <del> </del>                                     | $\vdash$   | 1  | 1  | 1          |  | 92       | 1  | <del>                                     </del> |              | 1        | 7        | $\dashv$  |        |  |  |       | 142      |          |              |   |   |          |  |          |          |          |
| -        | 43                  | ╁╾┪             | J              |          |          | $\vdash$ | -  | <del>                                     </del> |  | 1  | 1          |  | 93       | 1  | 1  |              |          | $\neg$   | 1         |        |  | 7::  |       | 143      |          |              |   |   |          |  |          |          |          |
|          | 44                  |                 | <del>`</del>   | 7        |          |          | <del>  -</del>                                   | †  | 1  | †  | 1::::      |  | 94       | †  | 1  |              |          | _        |           |        | $\top$   |  |       | 144      |          |              |   |   |          |  |          |          |          |
|          | 45                  | $\vdash$        | Ö              | $\dashv$ |          | -        | <del>                                     </del> | 1  | 1  | $\dagger$  | 1          |  | 95       | 1  | 1  |              |          | _        | _         |        |  | ֓֟֟֝֟֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֟֓֓֓֓֟֓֓֓֟֓֓֓֓ |       | 145      |          |              |   |   |          |  |          |          | L        |
|          | 46                  | $\square$       | ð              |          |          | -        | ┪  | 1-   | <b>†</b>   |  |            |  | 96       | $\top$   |  |              |          | _        |           |        |  |  |       | 146      |          |              |   |   |          |  |          |          |          |
|          | 47                  |                 | <del>-</del>   | 一        |          | -        | <del>                                     </del> | +-   | +  | 1  | 1          |  | 97       | †  |  |              |          |          | 1         |        |  |  |       | 147      | _        |              |   |   |          |  |          |          |          |
|          | 48                  |                 |                |          |          |          | 1-   | +  | 1  | +  |            |  | 98       | 1  | 1  |              |          |          |           |        |  |  |       | 148      |          |              |   |   |          |  |          |          |          |
|          | 49                  |                 |                | -        |          |          |  |  | 1  |  |            | -  | 99       |  |  |              |          |          |           |        |  |  |       | 149      |          |              |   |   |          |  |          |          |          |
| }        | 50                  |                 |                |          | _        | 1        | $\Box$   | 1  |  | $\top$   |            |  | 100      |  |  |              |          |          |           |        | = 1  | ]:::   |       | 150      |          |              |   |   |          |  |          |          | L        |